



UNIVERSITY OF WASHINGTON

OFFICE OF THE PRESIDENT

Mark A. Emmert, President

April 21, 2008

Dean Matthew O'Donnell  
College of Engineering  
Box 352180

Dear Matthew:

Based on the recommendation of its Subcommittee on Admissions and Programs, the Faculty Council on Academic Standards has recommended approval of the revised admissions requirements for a Bachelor of Science in Materials Science and Engineering degree. A copy of the changes is attached.

I am writing to inform you that the department of Materials Science and Engineering is authorized to specify these requirements beginning autumn quarter 2008.

The new requirements should be incorporated in printed statements and in individual department websites as soon as possible. The *General Catalog* website will be updated accordingly by the Registrar's Office.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Mark".

Mark A. Emmert  
President

Enclosure

cc: Ms. Kathleen Elkins (with enclosure)  
Mr. Robert Corbett (with enclosure)  
Dr. Deborah H. Wiegand (with enclosure)  
Todd Mildon, J.D. (with enclosure MSE-20080213)



UNIVERSITY OF WASHINGTON  
**CREATING AND CHANGING UNDERGRADUATE  
 ACADEMIC PROGRAMS**

**MAR 03 2008**  
 OFFICE USE ONLY  
 Control #  
**MSE-20080213**

After college/school review, send a signed original and 8 copies to FCAS, Box 355850.

For information about when and how to use this form: <http://depts.washington.edu/uwcr/1503Instructions.pdf>

College College of Engineering	Department or Unit Material Science & Engineering	Date 2-13-2008
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**New Programs**

- Leading to a Bachelor of \_\_\_\_\_ in \_\_\_\_\_ degree.
- Leading to a Bachelor of \_\_\_\_\_ degree with a major in \_\_\_\_\_.
- Leading to a \_\_\_\_\_ Option within the existing major in \_\_\_\_\_.
- Leading to a minor in \_\_\_\_\_.

**Changes to Existing Programs**

- New Admission Requirements for the Major in Material Sci. & Engr. within the Bachelor of Science.
- Revised Admission Requirements for the Major in \_\_\_\_\_ within the Bachelor of \_\_\_\_\_.
- Revised Program Requirements for the Major in \_\_\_\_\_ within the Bachelor of \_\_\_\_\_.
- Revised Requirements for the Option in \_\_\_\_\_ within the major in \_\_\_\_\_.
- Revised Requirements for the Minor in \_\_\_\_\_.

**Other Changes**

- Change name of program from \_\_\_\_\_ to \_\_\_\_\_.
- New or Revised Continuation Policy for \_\_\_\_\_.
- Eliminate program in \_\_\_\_\_.

Proposed Effective Date:

Quarter:  Autumn  Winter  Spring  Summer      Year: 2008

Contact Person	Contact's Phone	Contact's Email
	- -	

**EXPLANATION OF AND RATIONALE FOR PROPOSED CHANGE**

For new programs, please include any relevant supporting documentation such as student learning outcomes, projected enrollments, letters of support and departmental handouts. *(Use additional pages if necessary).*

See Attachment #1.

**CATALOG COPY**

Catalogue Copy as currently written. Include only sections/paragraphs that would be changed if you request is approved. Please cross out or otherwise highlight any deletions.

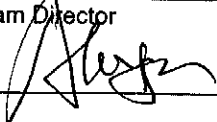
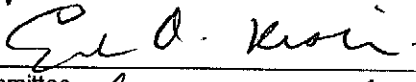

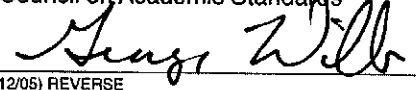
See attachment #2.

**PROPOSED CATALOG COPY**

Reflecting requested changes (Include exact wording as you wish it to be shown in the printed catalog. Please underline or otherwise highlight any additions. If needed, attach a separate, expanded version of the changes that might appear in department publications)

See attachment #2.

**SIGNATURES (required)**

Chair/Program Director		Date 2/13/08
Dean		Date 3-12-08
College Committee		Date 3/11/08
Faculty Council on Academic Standards		Date 4/08/08

UoW 1503 (12/05) REVERSE

RESET FORM

# College of Engineering Advanced Admission Program

UoW 1503 Attachment 1

## Program Goals

To recruit high achieving students to the College of Engineering  
To reduce pressure on high achieving incoming students to select a major immediately

## Overview & Rationale

Many of the top in-state freshman applicants interested in engineering do not accept the UW offer of admission in favor of attending one of several peer institutions. One factor in the student decision is the department admissions process. For high achieving students who are unsure of which engineering discipline they will ultimately choose, the current UW COE admissions options are unattractive. Direct admission to one department does not offer the same level of options as the ability to declare into any one of several majors once a student has explored and determined their field of interest. Likewise, the competitive admissions process currently in place dissuades students based on the concern that they will invest up to two years on prerequisite coursework and possibly be denied admission to their major.

In an effort to recruit the most competitive freshman applicants intending to major in engineering to the University of Washington, the College of Engineering will offer an Advanced Admission to *multiple departments* to yield 20-30 incoming students representing the top 1-2% of the application field. The selection of these students will be based upon academic achievement as well as intended major. The Advanced Admission program will be treated as a two year pilot program. At the conclusion of the pilot phase, the program will be assessed to determine its continuation.

The number of students selected will be balanced across intended majors in order to minimize the impact to any one department in the college. *It is expected that no more than five students per year would enter any single department through the Advanced Admission program.* Further, based on historical data, freshman students with such a strong academic record are admitted to their first choice department at a very high rate. Thus, it is likely that the students selected for this program would be admitted to their departments through regular admissions on the basis of their university coursework. However, guaranteeing them their department admission from the beginning may improve the recruitment of top students to the University of Washington.

The Advanced Admission would entitle students to declare the engineering major of their choice (limited to participating departments) at the conclusion of the first academic year provided eligibility requirements are met\*. A deadline for major declaration would be established, after which the students' Advanced Admission would become "invalid".

Advanced Admission is a recruitment tool. The target population is applicants who meet the following criteria:

1. Academic excellence
2. Expressed interest in engineering
3. Unsure about their interest in any one particular discipline

The Advanced Admission program will aim to compliment existing department direct freshman admission processes. The Advanced Admission selection process will take place after individual departments have made their direct admissions decisions. Once department selections have been made, a pool of Advanced Admission candidates will be created, consisting of department Direct Admits as well as top candidates whose primary academic interest was a department who does not currently admit freshman directly, and were therefore not considered.

Some students admitted directly to departments may receive Advanced Admission offers as a way to more aggressively recruit them to the UW. By offering these top students additional options while congratulating them on their direct admission to a department, the COE can provide a more attractive admission "package" for students who may still be unsure about their choice of major.

At the conclusion of the first year, Advanced Admission students who were also department direct admits may exercise their option to declare a different major.

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\* Please see following section entitled Eligibility Requirements.

## Materials Science and Engineering Catalog Copy

### Department Admission Requirements

Applicants are considered in three groups - Direct Freshman Admission, Early Admission, and Upper-Division Admission. Admission is competitive. Completion of minimum requirements described below does not guarantee admission. All applicants have the right to appeal the department's admission decision. Application information is available from the department adviser.

#### *Direct Freshman Admission*

1. Open to freshman students formally admitted to the UW.
2. High school GPA of 3.70 or higher; SAT (or equivalent) scores of 1300 or higher.
3. Indication on the application that Materials Science and Engineering is the first choice for the major.

#### *Early Admission*

1. *Course requirements:* MATH 124, MATH 125, MATH 126; 10 credits of physical science at the level of PHYS 121, PHYS 122, PHYS 123, or CHEM 142, CHEM 152, or above; 5 credits of English composition. All courses must be completed prior to the July 1 application deadline. (T C 231 and M E 123 must be taken no later than the academic year of admission.)
2. Applicants must be currently enrolled at the UW and must have completed a minimum of 15 credits taken in residence at the UW. Applications are accepted for autumn quarter only. Application deadline is July 1.
3. *Grade requirements:* Minimum 2.0 grade in each course required for admission and minimum 2.50 cumulative GPA for all courses required for admission.

#### *Upper-Division Admission*

1. *Course requirements:* MATH 124, MATH 125, MATH 126, MATH 307; PHYS 121, PHYS 122; CHEM 142, CHEM 152; CSE 142 or AMATH 301; MSE 170; 5 credits of English composition.
2. 64 credits completed by application deadline. Applications are accepted for autumn quarter (July 1 deadline) and spring quarter (February 1 deadline).
3. *Grade requirements:* Minimum 2.0 grade in each course required for admission and minimum 2.50 cumulative GPA for all courses required for admission.

Students may also declare into the Materials Science and Engineering degree program through the College of Engineering Advanced Admission program (see College of Engineering section for Advanced Admission entrance and continuation requirements).